

ABSTRACT

5 A coating composition includes 1.5 to 4 weight
percent of a film-forming acrylic resin having an average
molecular weight of from about 235,000 to about 285,000;
10 4 to 8 weight percent of a film-forming acrylic resin
having an average molecular weight of from about 175,000
to about 225,000; 1 to 3 weight percent of solid caustic;
and 75 to 85 weight percent water. The film-forming
acrylic resins may be copolymers of alpha-beta
15 ethylenically unsaturated carboxylic acid monomers and
ethylenically unsaturated esters. A dried coating of the
composition is water-soluble. A method for making the
coating composition includes heating water from about 140
to about 200°F; admixing to the heated water the solid
20 caustic; admixing to the heated water the first and
second film-forming acrylic resins; mixing the acrylic
resin/caustic/water mixture until the acrylic resins are
dissolved in the water; and admixing additional water
into the acrylic resin/caustic/water mixture in an amount
so that the total water in the composition is from about
75 to about 85 weight percent. The composition may be
applied to any article, such as an automobile body having
partially-set paint thereon to protect the paint from
scratching.